

Please amend the application as follows:

Amendments to the Claims

Please cancel Claims 1-18. Please amend Claims 19, 20 and 21. Please add new Claims 22-38. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

- 1-18 (Canceled)
19. (Currently amended) ~~A~~ An isolated nucleic acid molecule comprising ~~all or a portion of~~ the nucleic acid sequence of SEQ ID NO: 1, wherein ~~said nucleic acid molecule is at least 10 nucleotides in length and wherein the nucleic acid sequence comprises a polymorphic site at the nucleotide at~~ nucleotide position 3949 of SEQ ID NO: 1 is a nucleotide other than thymidine, or the complement of said nucleic acid molecule.
20. (Currently Amended) ~~The~~ An isolated nucleic acid molecule or complement thereof according to Claim 19, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is guanine. ~~the polymorphic site is different from a nucleotide at the polymorphic site in a corresponding reference allele.~~
21. (Currently Amended) An isolated allele-specific oligonucleotide that hybridizes to a nucleic acid molecule comprising the nucleic acid sequence of SEQ ID NO: 1, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is a nucleotide other than thymidine, or the complement of said nucleic acid molecule. ~~the nucleic acid molecule of Claim 19.~~
22. (New) An allele-specific oligonucleotide according to Claim 21, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is guanine.
23. (New) An allele-specific oligonucleotide according to Claim 21 which is a probe.

24. (New) An allele-specific oligonucleotide according to Claim 21 which is a primer.
25. (New) An expression vector comprising the nucleic acid molecule or complement thereof of Claim 19.
26. (New) An expression vector comprising the nucleic acid molecule or complement thereof of Claim 20.
27. (New) A host cell comprising an expression vector according to Claim 25.
28. (New) A host cell comprising an expression vector according to Claim 26.
29. (New) An isolated nucleic acid molecule consisting of a portion of at least 10 contiguous nucleotides of SEQ ID NO: 1, wherein said portion comprises nucleotide position 3949 of SEQ ID NO: 1 and the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is a nucleotide other than thymidine, or the complement of said nucleic acid molecule.
30. (New) An isolated nucleic acid molecule or complement thereof according to Claim 29, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is guanine.
31. (New) An expression vector comprising the nucleic acid molecule or the complement thereof of Claim 29.
32. (New) An expression vector comprising the nucleic acid molecule or the complement thereof of Claim 30.
33. (New) A host cell comprising an expression vector according to Claim 31.
34. (New) A host cell comprising an expression vector according to Claim 32.

35. (New) An oligonucleotide microarray having immobilized thereon a plurality of oligonucleotides, wherein at least one of said oligonucleotides is an allele-specific oligonucleotide that hybridizes to a nucleic acid molecule comprising the nucleic acid sequence of SEQ ID NO: 1, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is a nucleotide other than thymidine, or to the complement of said nucleic acid molecule.
36. (New) An oligonucleotide microarray according to Claim 35, wherein the nucleotide at nucleotide position 3949 of SEQ ID NO: 1 is guanine.
37. (New) An oligonucleotide microarray according to Claim 35, wherein the allele-specific oligonucleotide is a probe.
38. (New) An oligonucleotide microarray according to Claim 35, wherein the allele-specific oligonucleotide is a primer.